

NAME

join – join lines of two files on a common field

SYNOPSIS

join [*OPTION*]... *FILE1 FILE2*

DESCRIPTION

For each pair of input lines with identical join fields, write a line to standard output. The default join field is the first, delimited by blanks.

When *FILE1* or *FILE2* (not both) is –, read standard input.

-a FILENUM

also print unpairable lines from file *FILENUM*, where *FILENUM* is 1 or 2, corresponding to *FILE1* or *FILE2*

-e EMPTY

replace missing input fields with *EMPTY*

-i, --ignore-case

ignore differences in case when comparing fields

-j FIELD

equivalent to '-1 *FIELD* -2 *FIELD*'

-o FORMAT

obey *FORMAT* while constructing output line

-t CHAR

use *CHAR* as input and output field separator

-v FILENUM

like **-a** *FILENUM*, but suppress joined output lines

-1 FIELD

join on this *FIELD* of file 1

-2 FIELD

join on this *FIELD* of file 2

--check-order

check that the input is correctly sorted, even if all input lines are pairable

--nocheck-order

do not check that the input is correctly sorted

--header

treat the first line in each file as field headers, print them without trying to pair them

-z, --zero-terminated

line delimiter is NUL, not newline

--help display this help and exit**--version**

output version information and exit

Unless **-t** *CHAR* is given, leading blanks separate fields and are ignored, else fields are separated by *CHAR*. Any *FIELD* is a field number counted from 1. *FORMAT* is one or more comma or blank separated specifications, each being '*FILENUM.FIELD*' or '*0*'. Default *FORMAT* outputs the join field, the remaining fields from *FILE1*, the remaining fields from *FILE2*, all separated by *CHAR*. If *FORMAT* is the keyword 'auto', then the first line of each file determines the number of fields output for each line.

Important: *FILE1* and *FILE2* must be sorted on the join fields. E.g., use "sort **-k** 1b,1" if 'join' has no options, or use "join **-t** """ if 'sort' has no options. Note, comparisons honor the rules specified by 'LC_COLLATE'. If the input is not sorted and some lines cannot be joined, a warning message will be given.

AUTHOR

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REPORTING BUGS

GNU coreutils online help: <<https://www.gnu.org/software/coreutils/>>

Report join translation bugs to <<https://translationproject.org/team/>>

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SEE ALSO

comm(1), uniq(1)

Full documentation at: <<https://www.gnu.org/software/coreutils/join>>
or available locally via: info '(coreutils) join invocation'